

PI 534649 to 534658-continued

- PI 534654 **donor id:** RHA 368. **origin:** United States. **pedigree:** NS-H-27(Gloriasol)/RHA 274, F5 derived F7 Selection. **other id:** GP-115. **group:** CSR-SUNFLOWER. **remarks:** Germplasm restorer line with genetic diversity for agronomic and morphological characteristics and seed oil content. Genes for fertility restoration in male sterile cytoplasm (*H. petiolaris*) present. Plant height 64cm. Upper stem branching. Days to 50% bloom 60. Seed oil content 500gms per kg. Susceptible to downy mildew (*Plasmopara halstedii*) races 3 to 5, and sunflower rust races 3 and 4. **disease resistance:** Downy mildew (*Plasmopara halstedii*) race 1 and 2. Sunflower rust (*Puccinia helianthi*) races 1 and 2. Annual. Genetic Material. Seed.
- PI 534655 **donor id:** HA 369. **origin:** United States. **pedigree:** F6 derived maintainer line from ARG 8018. **other id:** GP-116. **group:** CSR-SUNFLOWER. **remarks:** Germplasm maintainer line with genetic diversity for agronomic and morphological characteristics and seed oil content. Plant height 81cm. Days to 50% bloom 62. Seed oil content 456gms per kg. Susceptible to downy mildew (*Plasmopara halstedii*) races 1 to 5 and sunflower rust (*Puccinia helianthi*) race 4. **disease resistance:** Sunflower rust (*Puccinia helianthi*) races 1 to 4. Annual. Genetic Material. Seed.
- PI 534656 **donor id:** HA 370. **origin:** United States. **pedigree:** F6 derived maintainer line from RK-74-198. **other id:** GP-117. **group:** CSR-SUNFLOWER. **remarks:** Germplasm maintainer line with genetic diversity for agronomic and morphological characteristics and seed oil content. Plant height 81cm. Days to 50% bloom 63. Seed oil content 460gms per kg. Susceptible to downy mildew (*Plasmopara halstedii*) races 2 to 5 and sunflower rust (*Puccinia helianthi*) races 3 and 4. **disease resistance:** Downy mildew (*Plasmopara halstedii*) race 1. Sunflower rust (*Puccinia helianthi*) races 1 and 2. Annual. Genetic Material. Seed.
- PI 534657 **donor id:** HA 371. **origin:** United States. **pedigree:** F6 derived maintainer line from H52. **other id:** GP-118. **group:** CSR-SUNFLOWER. **remarks:** Germplasm maintainer line with genetic diversity for agronomic and morphological characteristics and seed oil content. Plant height 82cm. Days to 50% bloom 63. Seed oil content 461gms per kg. Susceptible to downy mildew (*Plasmopara halstedii*) races 1 to 5 and sunflower rust (*Puccinia helianthi*) races 1, 3, and 4. **disease resistance:** Sunflower rust (*Puccinia helianthi*) race 2. Annual. Genetic Material. Seed.